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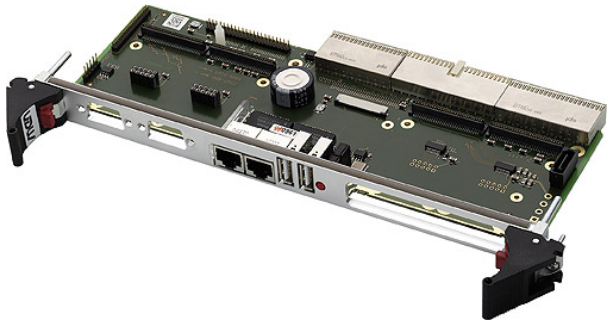
CT7 - 6U CompactPCI® Transition Module for D6/D7/D9



- **6U / 80 mm standard format**
- **2 Gigabit Ethernet**
- **2 USB 2.0**
- **2 UARTs**
- **2 PIM slots**
- **PATA/SATA hard disk**
- **CompactFlash®**
- **External battery**

The CT7 is a 6U CompactPCI® transition module for use in combination with MEN's D6, D7 and D9 Intel®-based CompactPCI® single-board computers.
It is plugged onto J3/J4/J5 of the CompactPCI® backplane system slot from the rear side and leads the rear-panel I/O signals to standard connectors.
Consequently, standard cables can be used to connect drives and other peripherals.
If a hard disk is mounted (instead of a CompactFlash® card), the 4HP transition module extends to 8HP, doing then also without one of the two PIM slots.

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Technical Data

Peripheral Connections
- Up to 2 PIM interfaces
- 1 PATA/SATA interface (instead of one PIM)
- 2 USB
- 2 Gigabit Ethernet
- 2 COMs (via SA-Adapter™ instead of one PIM)
- 1 port for CompactFlash® (instead of one PIM)

Miscellaneous
- External battery
- Reset button
- 4 user-defined LEDs (FPGA-controlled)

Electrical Specifications
- MTBF: tbd @ 40°C according to IEC/TR 62380 (RDF 2000)

Mechanical Specifications
- Dimensions: 6U width, 80mm depth, 4HP height (8HP with 2.5" hard disk)
- Conforming to CompactPCI® Specification 2.0 R2.1 for rear panel I/O boards
- Conforming to IEEE1101.11, draft 5.0
- Weight: 246g (with two SA-Adapters™)

Environmental Specifications
- Temperature range (operation):
  - 0..+60°C
  - Airflow: min. 10m³/h
- Temperature range (storage): -40..+85°C
- Relative humidity (operation): max. 95% non-condensing
- Relative humidity (storage): max. 95% non-condensing
- Altitude: -300m to + 3,000m
- Shock: 15g/11ms
- Bump: 10g/16ms
- Vibration (sinusoidal): 2g/10..150Hz
- Conformal coating on request

Safety
- PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers

EMC
- Tested according to EN 55022 (radio disturbance), IEC1000-4-2 (ESD) and IEC1000-4-4 (burst)

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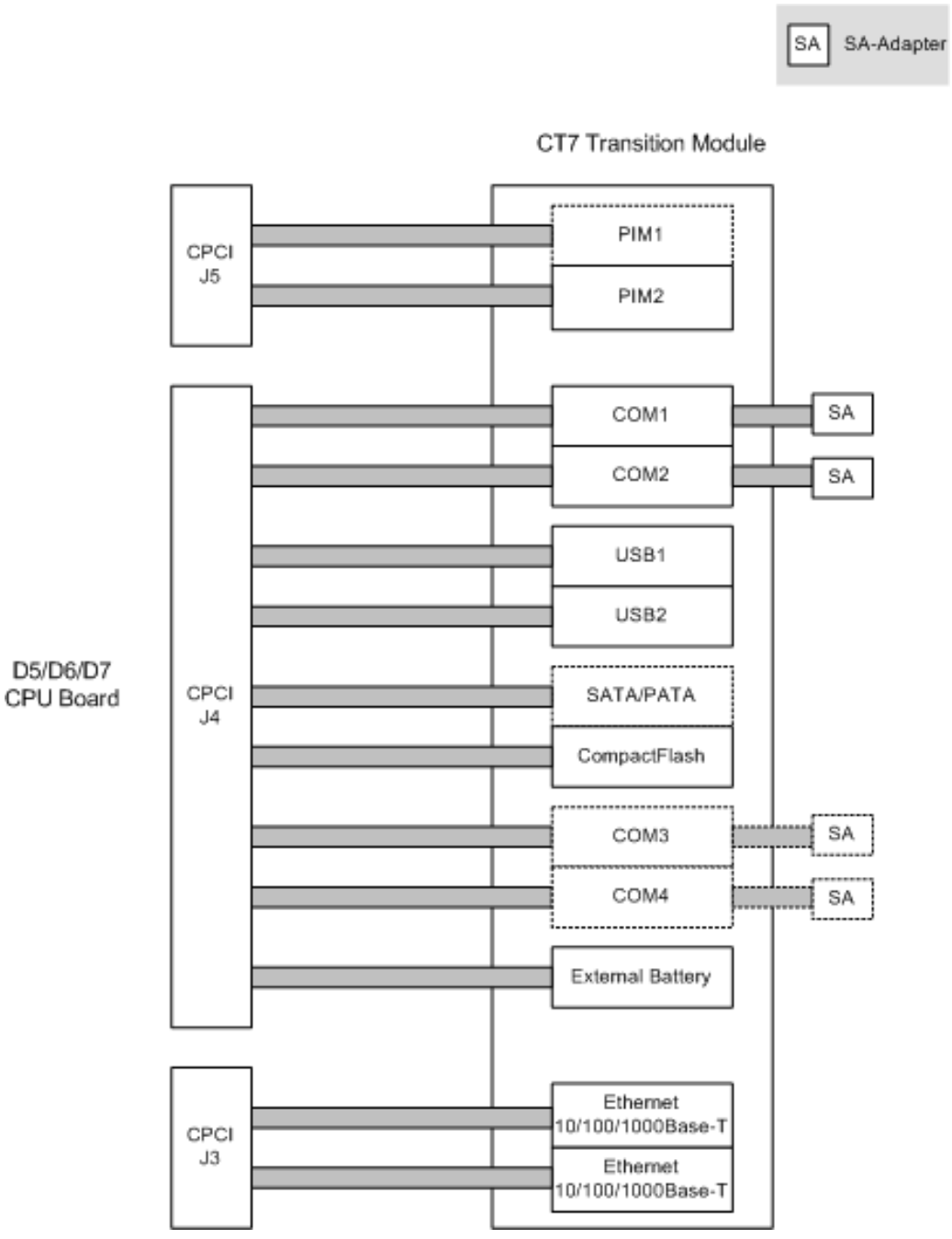
Diagram



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Configuration & Options

Standard Configurations

Article No.	Ethernet	USB	COMs	PIM Slots	CFlash Slot	Harddisk Slot	Operation Temp.
08CT07-00	2	2	2	1	Yes	No	0..+60°C

Options

Peripheral Connections

- One or two PIM interfaces
  - PIM0 instead of COM1/COM2 and CompactFlash®
- Up to four COMs
  - COM3/COM4 instead of PIM1 or SATA/PATA hard disk

Please note that some of these options may only be available for large volumes. Please ask our sales staff for more information.

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Ordering Information

Standard Hardware

08CT07-00	CompactPCI rear I/O transition module 6U/80mm, 2 Gb Ethernet, 2 USB 2.0, 2 COMs, 1 PIM slot, 1 CompactFlash slot, connecting to D6, D7, D9, 0..+60°C

SA-Adapters

08SA01-00	RS232, not optically isolated, 0..+60°C
08SA02-00	RS422/485, half duplex, optically isolated, 0..+60°C
08SA02-01	RS422/485, full duplex, optically isolated, 0..+60°C
08SA02-07	RS422/485, full duplex, optically isolated, -40..+85°C screened
08SA03-00	RS232, optically isolated, 0..+60°C
08SA03-01	RS232, optically isolated, -40..+85°C screened

Documentation

20CT07-00	CT7 User Manual

For the most up-to-date ordering information and direct links to other data sheets and downloads, see the CT7 online data sheet under » www.men.de.

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